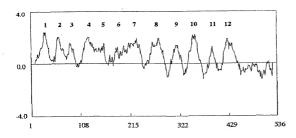
Figure 1

101 201	
301	GRATIGRAGGTGGCGGCGGGGGGGGGGGGGGGGGGGGCTGGAAACGACTCCGGCTAGACGCGTGGGGGGGG
401	CATCOTCCTCGCCACCTCCTCGAGGAGAATCGCTGGGTCAATGAGTCCATCACCGCGCTCATCATCGGGCTCTGCACCGGCGGGGGATCTTGCTGATG I V L G R L L E E N $\pi$ N $\pi$ N $\pi$ S I T $\Lambda$ L I I G L C I G V V I L L $\Pi$
501	ACCAARGGGAAGAGCTCGCCTTATCGCCTCCGGTGAGGATCTCTTCTTCATCTACCTCCTCCGCTCCGATCATCTATGCAGGTTTTCAGGTAARGA T K G K S S B L F V F S E D L F F I I L L F F I I I F N A G F Q V K K
601	AAAAGCAATTCTTCCGGAATTTCATGACGATCACATTATTTGGAGCCUTCGGGACAATGATATCTTTTCACAATATCTATTGCTGCATTTGCAATATT X Q F F R N F N T I 1 L F G A V G T N I 5 F F T I S I R A I A I F
701	CAGCAGRATGARCHTIGGAGGCTGGATGTAGGAGAATTTTCTTGCAATTGGAGCCAATCTTTTCTGGACAAATTCTGTGCACATTGCAGGTTCTCAAAT S R H N I G 7 L 0 V G D F L A 1 G A 1 F S A T D S V C 7 L 0 V L H
801	CAGGATUAGACACCCTTTTTGTACAGTCTUGTATTCGGTGAAGGTGTTGTGAACAAGTGCTACATTATTGTGCTTTTCAACGGACTACAGAACTTTGATC Q D E T P F L I S L V F G E G V V N D A T S I V L P N A L Q N F D L
901	TIGICCACATAGATOCOGGIGICGTICIGAARTCTIGGGGAACTICTTIRATTATITTIGIGGGACCCITCCTIGGAGTATTGCTGAG V H I D A A V V L K F L G N F F Y L F L S S T F L G V F A G L L S
1001	TOCATACATARTCRAGARGCTATACATTGGARGCCATCTACTGACGTGACG
1101	THE CTACATH THREE CONTROL CONTROL CONTROL CONTROL CANADACT CANDACT CONTROL CANDACT CAN
1201	AGCACCCATTTGCAACACTGTUCTTCATTGCTGAGACTTTTCTCTTCCTGTATGTTGGGATGGAT
1301	CREACTEGGCAARTCCRITGGGRIAGCTCRATTTTGCTRGGRIGGTTCTGATTGGARGGGTUCTTTGTATTCCCCCCTGTCGTTCTTGTCGRACUTA R F G K S I G I S S I L L G L V L I G R A R F V F P L S P L S R L
1401	ACAAMGRAGGCCCCGAATGAAAAAAAAAAAAACCTGOAGAAGAAGTTGTAATATCGCCGAGCCGGCTGATGAGGAGCCTGTGCCGATTGCCTTCCCTTACAT K K A P N E K I T N R Q O V V I H N A G L N R G A V S I A L A T N
1501	ATAGOTTIACAAGATCTGGGGATACTCAGCTGCAGGGGATOCAATAAGATCACCAGGAGCATCACTGGTGTTTTTTAGGACTATGGTATTGGGAT K P T R S G H T Q L H G N A I M I T S T I T V V L P S T H V P G H
1601	CATGACIAAAGCCATUATCAGGCTOCTGCTACCGGCCTCAGGCCAACCTCCTCAGCCTTCATCACCAAAGTCCCCTGCATCTCTCTC
1701	AGGATGCAMGGTTCTGACCICGASAGTTCTACCAACACTGTGAGGCCTCCTCCAGGCTCCTCTCCAAGCCGACCCAGACTGTCCACTACTACTCTC S H Q C S D L E S T T H I V R P S S L R H L L T K P T H I V H Y Y N
1801	GDCGCARGTTCGACGACGACGATCATTGGCGGGCDCGGGTTCGTGGCGTTTCTCCCCTGGATCACCGAGCAGAGCCATGGCAGAGCCATGGAGAAC
1961 2001 2101 2201 2301	ATGANCHITOCALGANITAKINATUGNITGETTGATGAGGIGATACATGEMAHQITGKCACCAMAGAGAMAGACAAGTITTGGGTTTCIAGACTT ROCKCITGETAKTAGATTTGANITGCTTACATTTCIAGACTT ROCKCITGETAKTAGATTTGANITGCTTACATTCIAGAGATTAGAATTGACATGAGCCAAGAGGAGACTTCIAGATATAGG ROCKGATGATTGACTAGTCTTCIAGAGAGACTCAGTGAGAACAAGGATGATGTCCGACACCTGATAGATTTGATATTAMAGCCCATTC GUNGTOTAKCAGCTATTTGAGGGCGATTTTCCACCCTGCAGGAAATAGATTCCGCCAAAATAGATTTGTGTATAAAATGAATTTGTGTATAAATGAATTTGTGTATAAATGAATTTGTGTATAAATGAATTTGTGTATAAATGAATTTGTGTATAAAATGAATTTGTGTATAAAATGAATTGTGTATAAAATGAATTGTGTGTATAAAATGAATTGTGTGTATAAAATGAATTGTGTGTATAAAATGAATTGTGTGTATAAAAAA

Figure 2

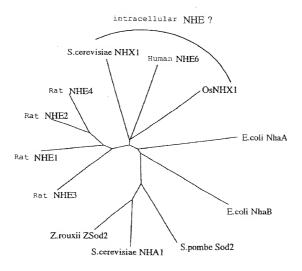


COESTINATION ...

Figure 3

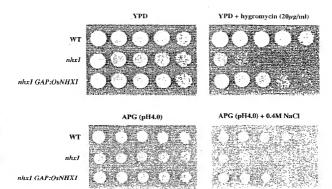
Α	M3	M4	
0sNHX1	FSEDLFFIYLLPPILFNAGFQVKKKQ	QFFRNFMTITLFGAVGTMISFFTISIAAIAIFSR	м 138
NHX1	FNSSYFFNVLLPPIELNSGYELNQVN	NFFNNMLSILIFAIPGTFISAVVIGIILYIWTFL	6 179
NHE6	FDPEVFFNILLPPILFYAGYSLKRRH	HFFRNLGSILAYAFLGTAISCFVIGSIMYGCV7L	M 205
NHE1	LQSDVFFLFLLPPIILDAGYFLPLRQ	QFTENLGTILIFAVVGTLWNAFFLGGLLYAVCLV	G 219
NHE2	MKTDVFFLYLLPPIVLDAGYFMPTRP	PFFENLGTIFWYAVVGTLWNSIGIGLSLFGICQI	E 80
NHE3	LTPTLFFFYLLPPIVLDAGYFMPNRL	.FFGNLGTILLYAVIGTIWNAATTGLSLYGVFLS	G 166
NHE4	MDSSTYFLYLLPPIVLESGYFMPTRF	PFFENIGSILWWAGLGALINAFGIGLSLYFICQI	K 184
	; ;* *****;;;*;;	* *::* :: *:	
В	M.5	M6	_
0sNHX1	NIGTLDVGDFLAIGAIFSATE	DSVCTLQVLNQDET-PFLYSLVFGEGVVNDATS	V 192
NHX1	LESIDISFADAMSVGATLSATE	DPVTILSIFNAYKVDPKLYTIIFGESLLNDAIS	v 235
NHE6	KVTGQLAGDFYFTCLLFGAIVSATE	DPVTVLA1FHELQVDVELYALLFGESVLNDAVA	V 265
NHE1	GEQINNIGLLUTLLFGSIISAVO	OPVAVLAVFEEIHINELLHILVFGESLLNDAVTV	rv 276
NHEZ	AFGLSDITLLUNLLFGSLISAVE	DPVAVLAVFENIHVNEQLYILVFGESLLNDAVTV	N 137
NHE3	LMGELKIGLLOFLLFGSLIAAVO	DPVAVLAVFEEVHVNEVLFIIVFGESLLNDAVTV	√ ZZ3
NHE4	AFGLGDINLLONLLFGSLISAVE	DPVAVLAVFEEARVNEQLYMMIFGEALLNDGIS	/V 241

Figure 4



nossenze nesera

Figure 5



DODON'S DEPON

Figure 6

DESCRIPTION OF THE PROPERTY OF

	Ye micro	ast osome	Rice						
	nhxI±0	OsNHX1		Root			Shoo	- ot	
kD	-	+	TM	TP	PM	TM	TP	PM	_
97 66									
39							A COL	: 3	<b>◆</b> OsNHX1 (40kD)
27									
14—									

**⋖** V-PPase